

Data Path : U:\HPCHEM1\BNA G\DATA\BG082317\
 Data File : BG028452.D
 Acq On : 23 Aug 2017 16:04
 Operator : SJ/JU
 Sample : I4827-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AF8

Quant Time: Aug 24 01:32:16 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	51301	20.00	ng/ul	0.00
18) Naphthalene-d8	11.17	136	213097	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	133148	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	294971	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	337364	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	313008	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	3862	3.51	ng/uL	0.00
5) Phenol-d5	7.50	99	109947	19.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	69196	19.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	79323	22.32	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	85301	18.11	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	43652	26.20	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	52598	28.79	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.79	165	96333	25.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	89034	21.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	299657	25.30	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	350470	26.25	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	31473	16.71	ng/ul	0.01
57) Fluorene-d10	15.94	176	249215	23.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	24201	12.63	ng/ul	0.01
70) Anthracene-d10	17.81	188	371679	26.28	ng/ul	0.00
76) Pyrene-d10	20.08	212	442269	25.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	418491	28.56	ng/ul	0.02

Target Compounds

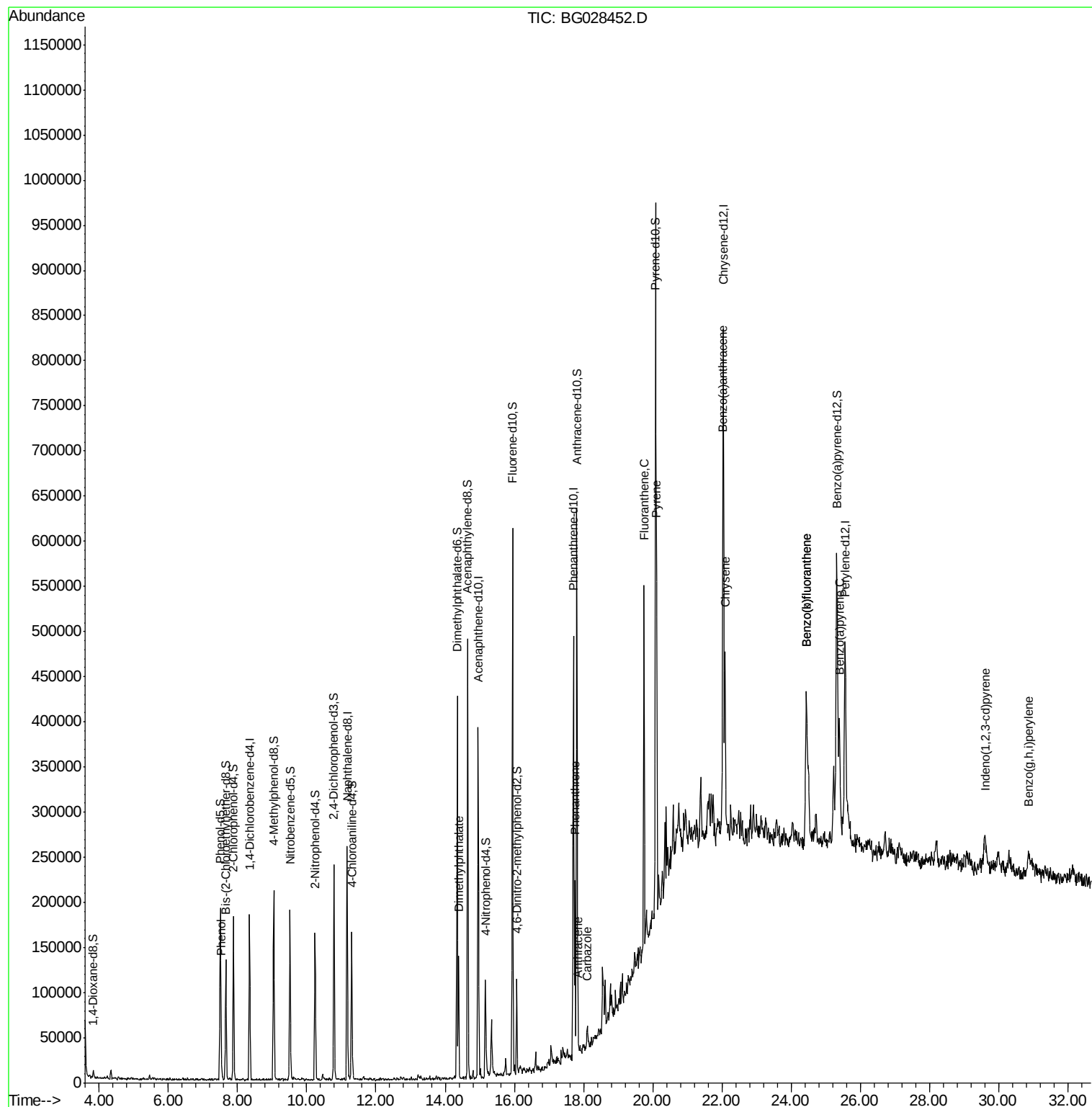
					Ovalue
6) Phenol	7.52	94	11634	2.078 ng/ul	91
44) Dimethylphthalate	14.39	163	87598	8.034 ng/ul	100
69) Phenanthrene	17.75	178	126026	8.490 ng/ul	98
71) Anthracene	17.84	178	17556	1.157 ng/ul	94
72) Carbazole	18.11	167	15732	1.192 ng/ul	97
74) Fluoranthene	19.75	202	277129	15.361 ng/ul	99
77) Pyrene	20.11	202	251170	12.479 ng/ul	99
80) Benzo(a)anthracene	22.02	228	162678	8.346 ng/ul	98
82) Chrysene	22.09	228	174930	9.965 ng/ul	96
85) Benzo(b)fluoranthene	24.44	252	235544	12.575 ng/ul	97
86) Benzo(k)fluoranthene	24.44	252	235544	12.874 ng/ul	99
88) Benzo(a)pyrene	25.39	252	163186	8.998 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.60	276	76819	3.617 ng/ul	95
91) Benzo(g,h,i)perylene	30.86	276	54903	3.142 ng/ul#	87

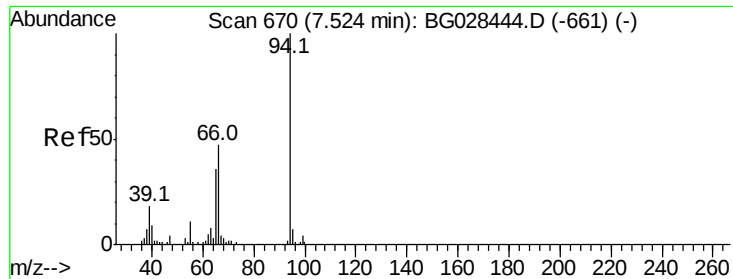
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.078 ng/ul

RT: 7.52 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

Instrument :

BNA_G

ClientSampleId :

B0AF8

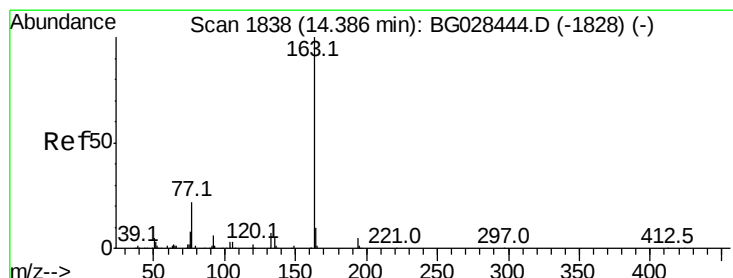
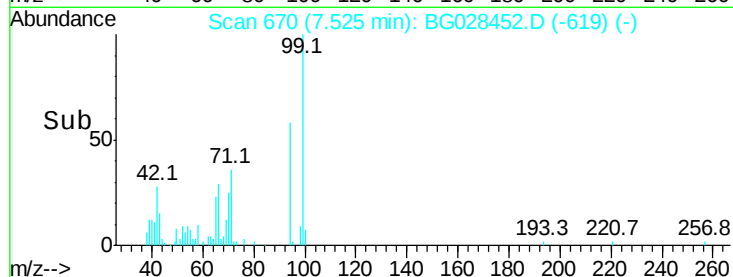
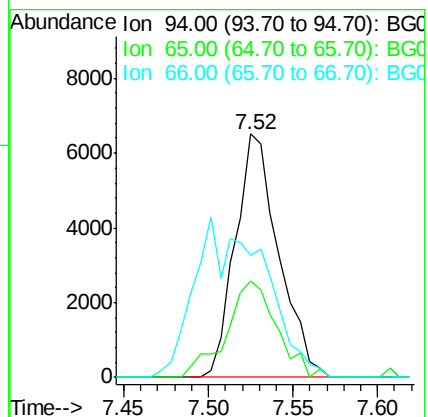
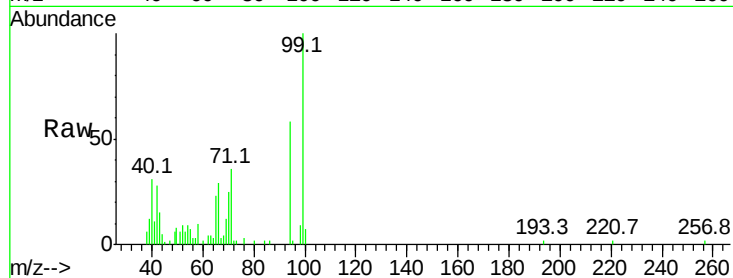
Tot Ion: 94 Resp: 11634

Ion Ratio Lower Upper

94 100

65 39.8 26.8 40.2

66 50.3 44.4 66.6



#44

Dimethylphthalate

Concen: 8.034 ng/ul

RT: 14.39 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

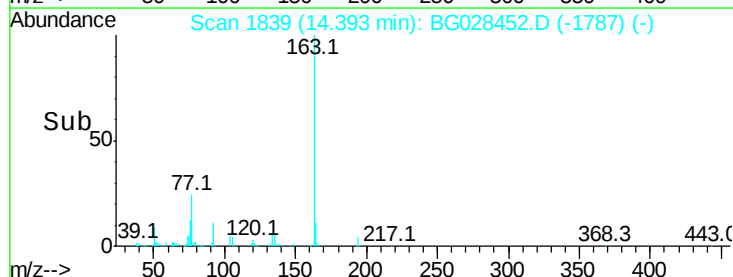
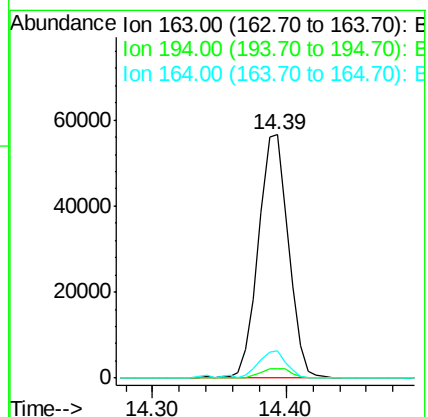
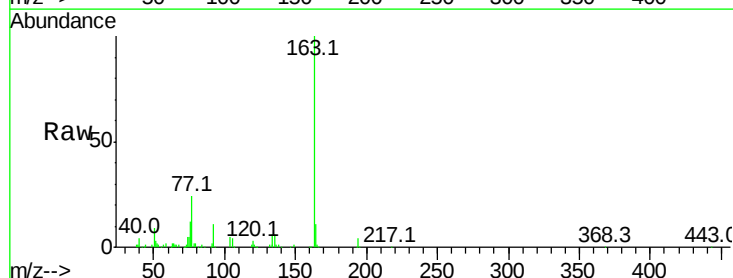
Tgt Ion:163 Resp: 87598

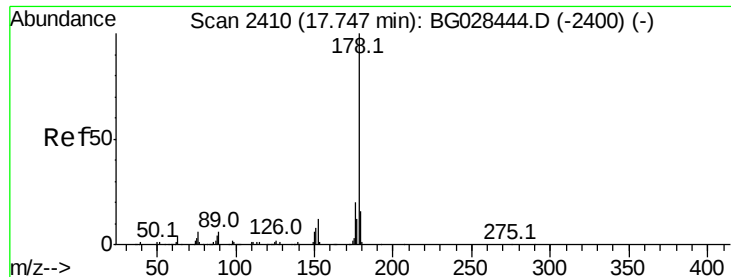
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 11.1 9.0 13.4





#69

Phenanthrene

Concen: 8.490 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.00 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

Instrument :

BNA_G

ClientSampleId :

B0AF8

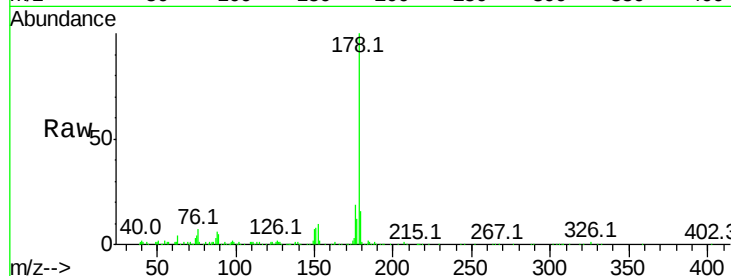
Tot Ion:178 Resp: 126026

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

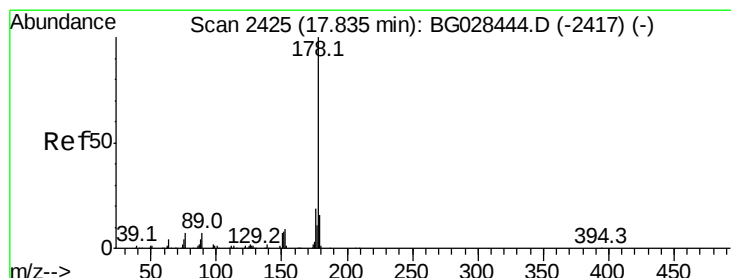
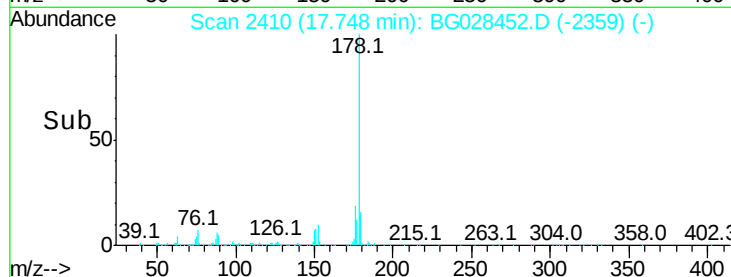
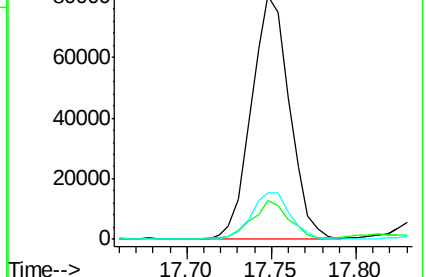
176 19.3 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.157 ng/ul

RT: 17.84 min Scan# 2426

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

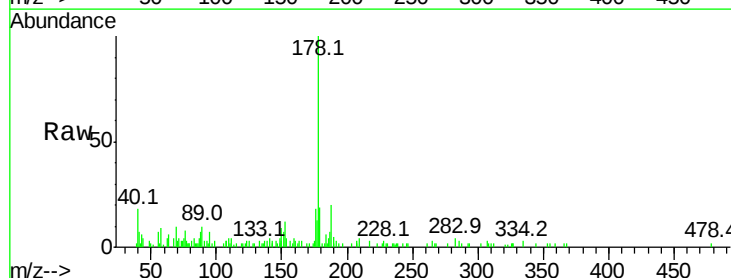
Tgt Ion:178 Resp: 17556

Ion Ratio Lower Upper

178 100

179 18.8 12.6 19.0

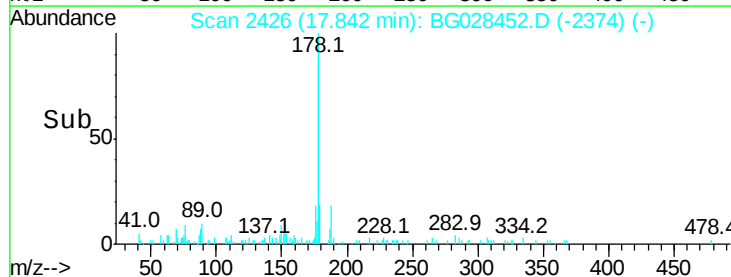
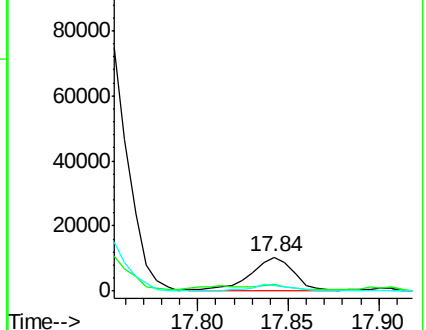
176 17.8 15.9 23.9

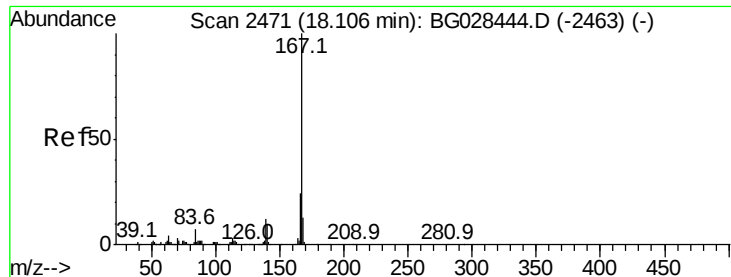


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.192 ng/ul

RT: 18.11 min Scan# 2472

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

Instrument :

BNA_G

ClientSampleId :

B0AF8

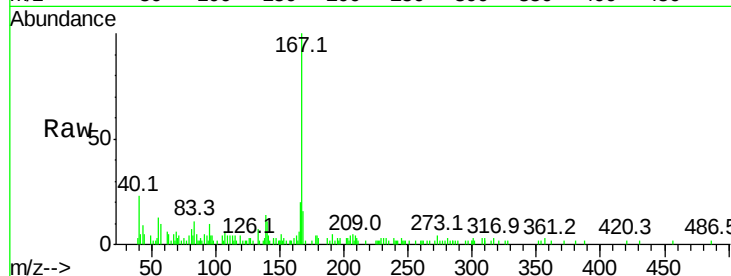
Tot Ion:167 Resp: 15732

Ion Ratio Lower Upper

167 100

166 20.2 17.9 26.9

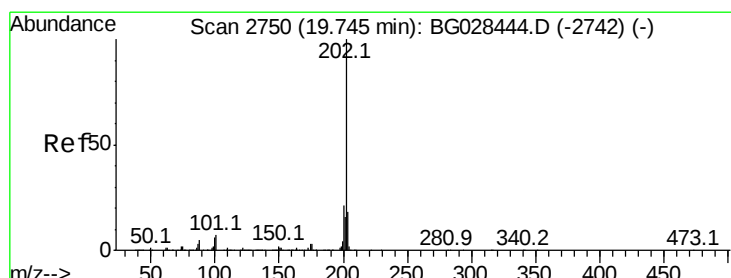
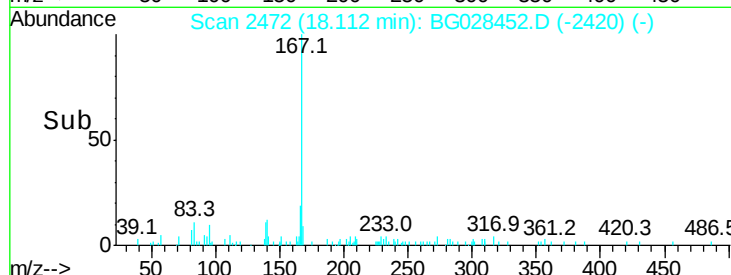
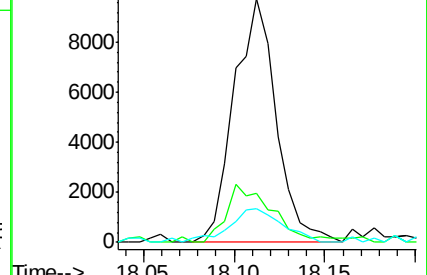
139 13.8 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 15.361 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

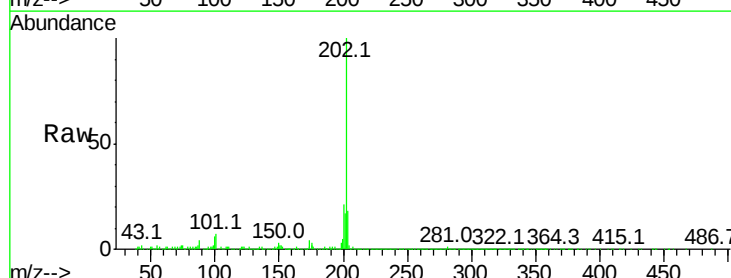
Tgt Ion:202 Resp: 277129

Ion Ratio Lower Upper

202 100

101 7.3 6.2 9.2

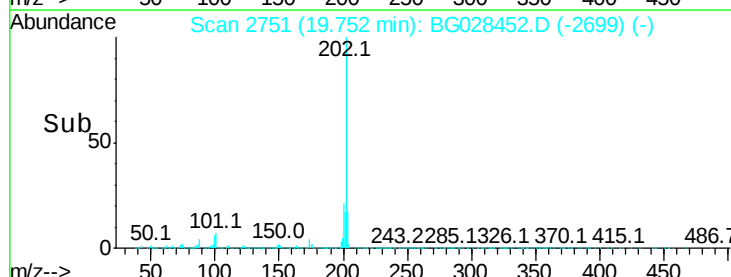
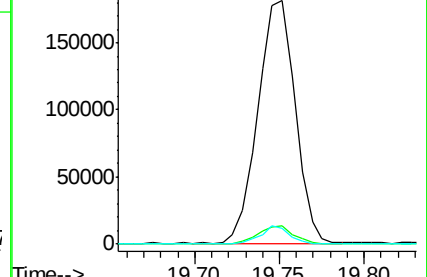
100 6.2 5.2 7.8

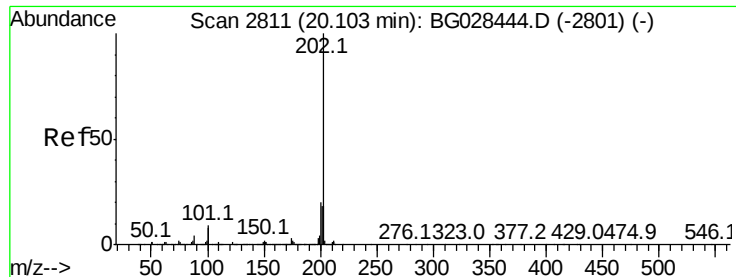


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 12.479 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

Instrument :

BNA_G

ClientSampleId :

B0AF8

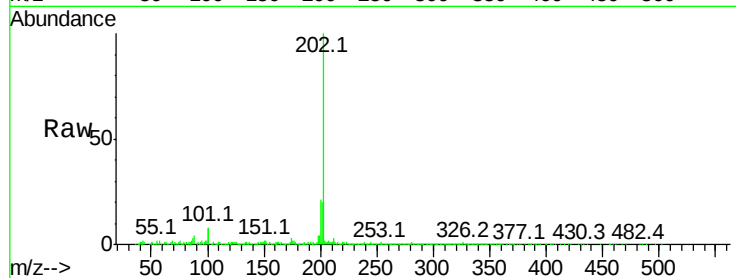
Tot Ion:202 Resp: 251170

Ion Ratio Lower Upper

202 100

101 8.2 6.9 10.3

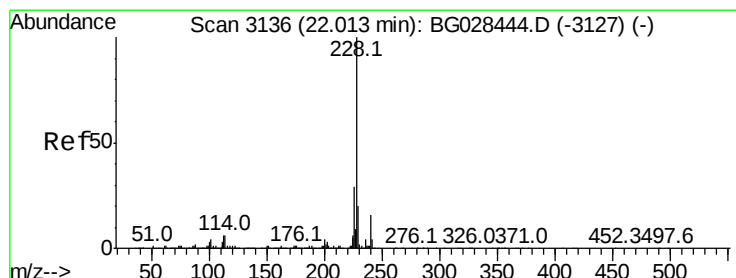
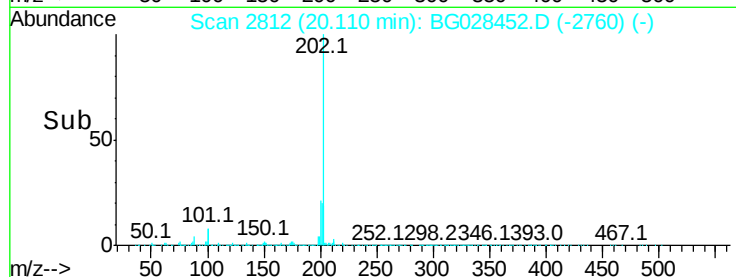
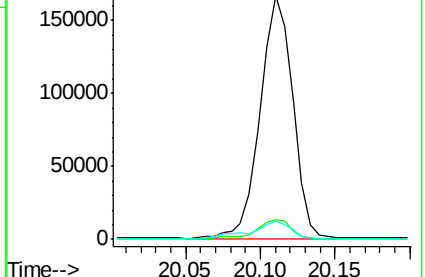
100 7.7 6.6 10.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 8.346 ng/ul

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

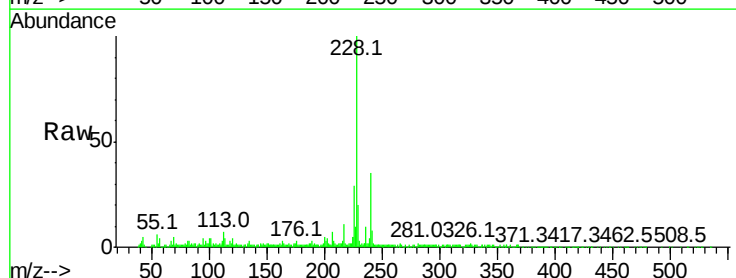
Tgt Ion:228 Resp: 162678

Ion Ratio Lower Upper

228 100

229 20.1 16.3 24.5

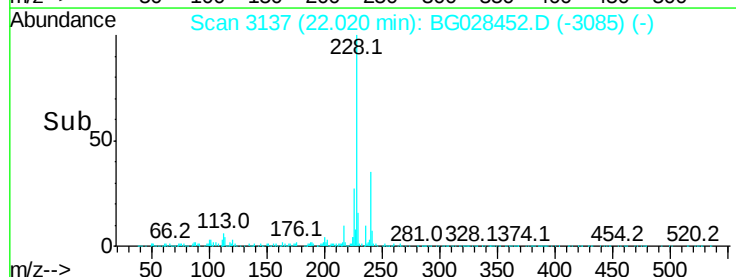
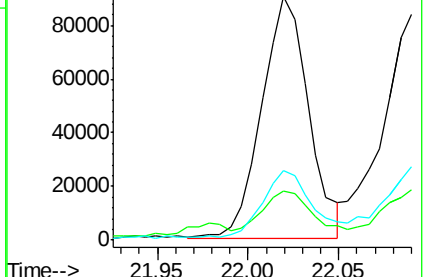
226 28.6 21.9 32.9

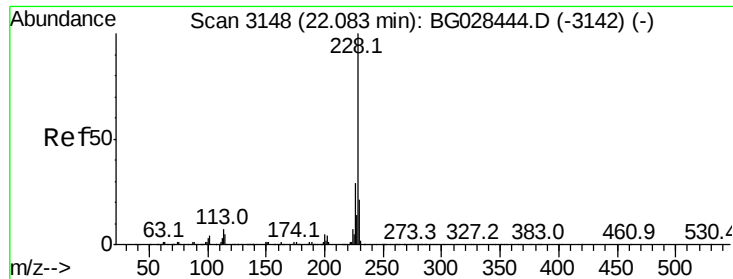


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 9.965 ng/ul

RT: 22.09 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

Instrument :

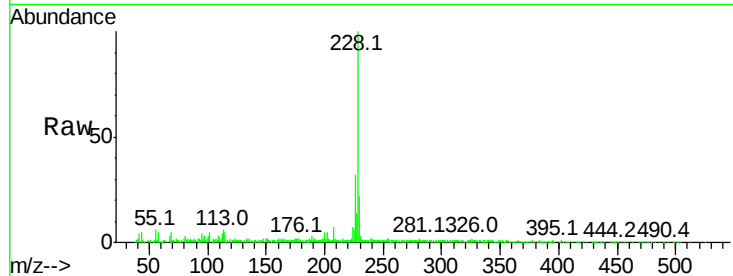
BNA_G

ClientSampleId :

B0AF8

Tot Ion:228 Resp: 174930

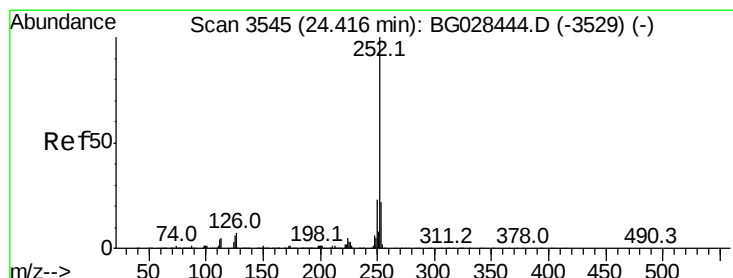
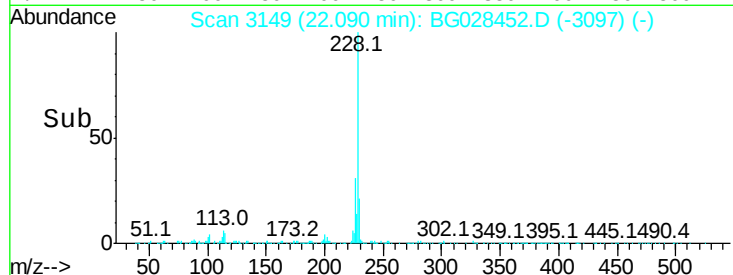
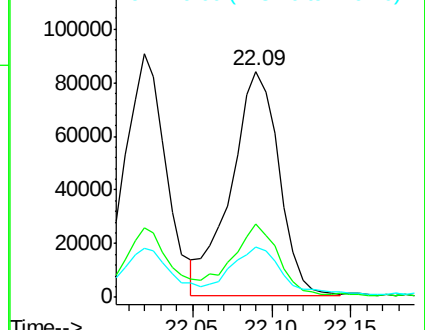
Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	22.5	16.9	25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 12.575 ng/ul

RT: 24.44 min Scan# 3549

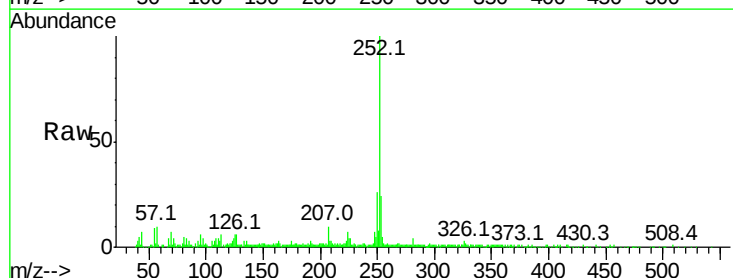
Delta R.T. 0.02 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

Tgt Ion:252 Resp: 235544

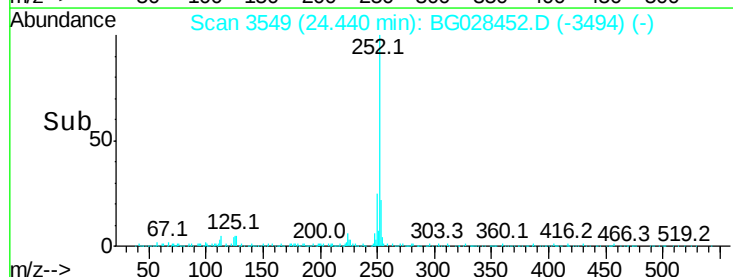
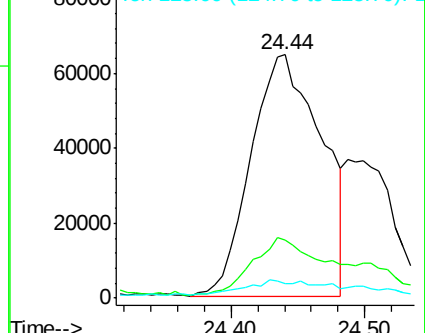
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	5.9	4.0	6.0

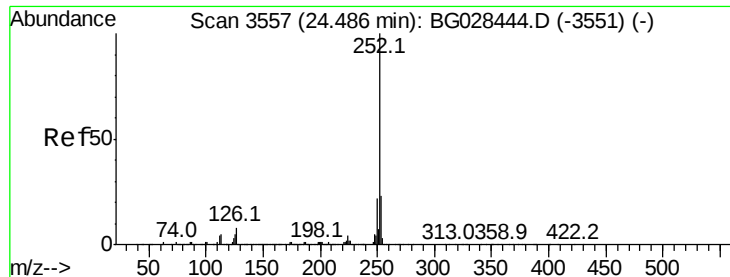


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 12.874 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. -0.05 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

Instrument :

BNA_G

ClientSampleId :

B0AF8

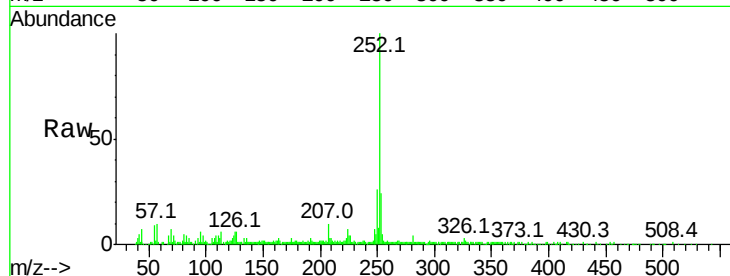
Tot Ion:252 Resp: 235544

Ion Ratio Lower Upper

252 100

253 23.6 18.5 27.7

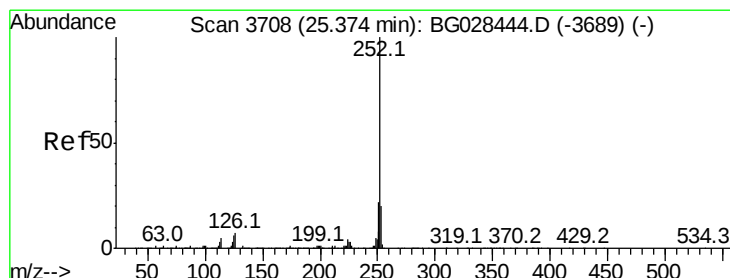
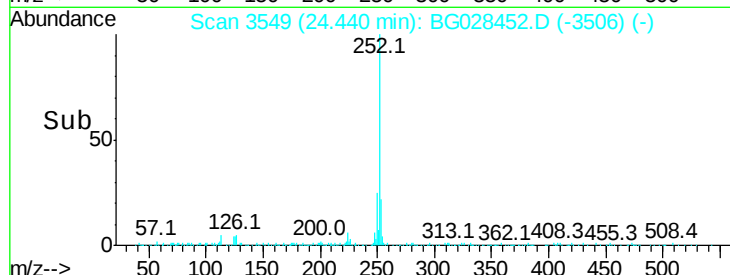
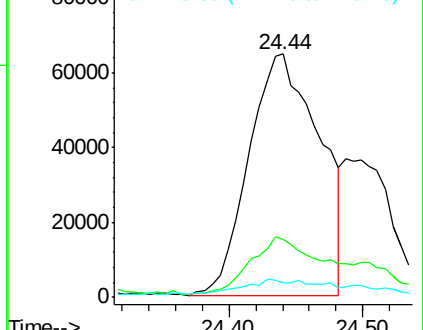
125 5.9 4.1 6.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 8.998 ng/ul

RT: 25.39 min Scan# 3710

Delta R.T. 0.01 min

Lab File: BG028452.D

Acq: 23 Aug 2017 16:04

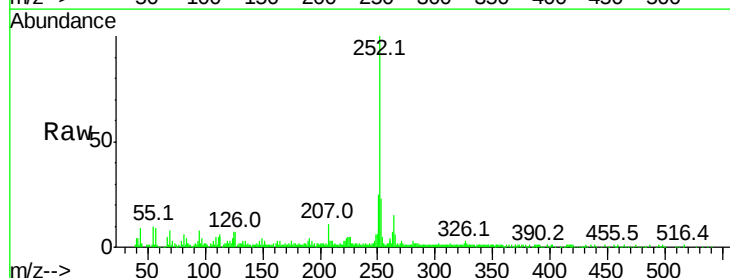
Tgt Ion:252 Resp: 163186

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

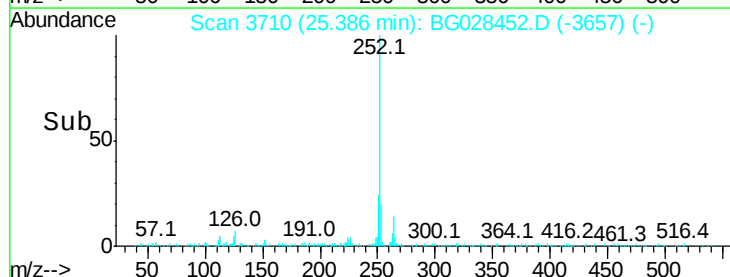
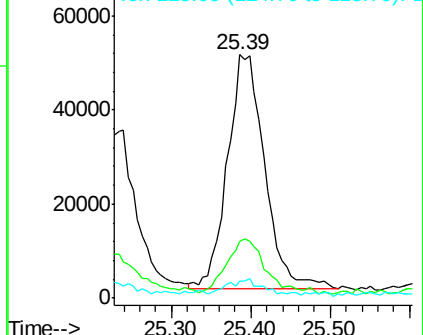
125 7.2 5.4 8.0

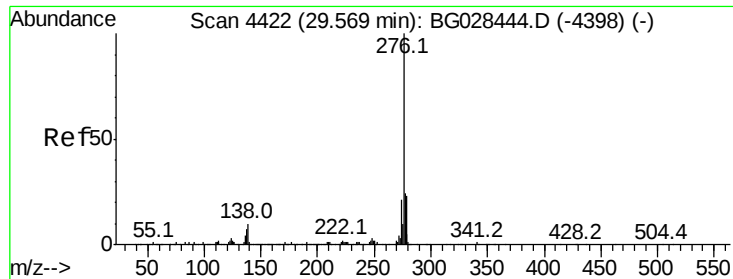


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



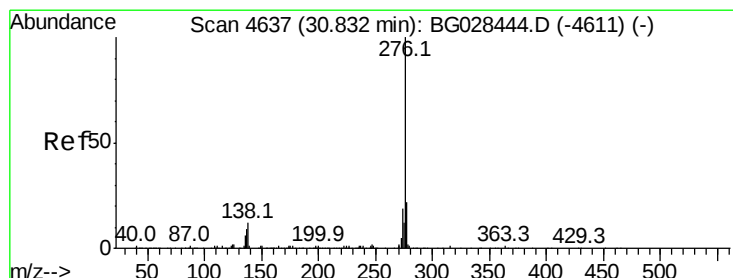
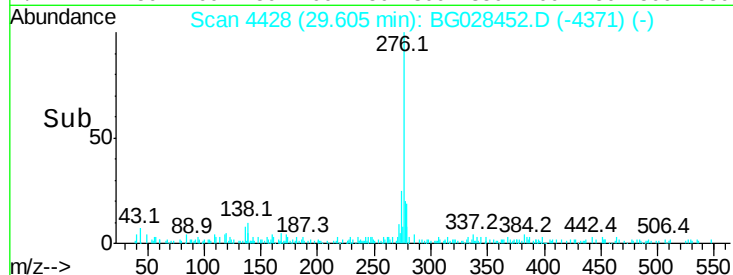
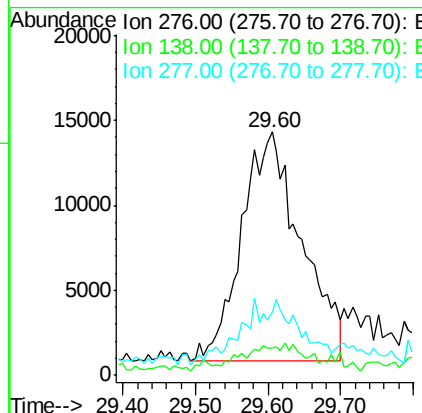
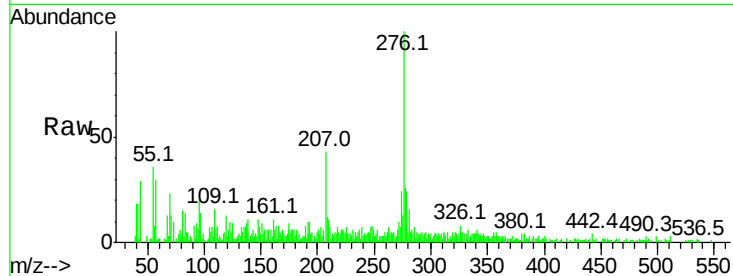


#89

Indeno(1,2,3-cd)pyrene
Concen: 3.617 ng/ul
RT: 29.60 min Scan# 4428
Delta R.T. 0.04 min
Lab File: BG028452.D
Acq: 23 Aug 2017 16:04

Instrument :
BNA_G
ClientSampleId :
B0AF8

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.5	8.2	12.4
277	25.8	18.6	28.0



#91

Benzo(g,h,i)perylene
Concen: 3.142 ng/ul
RT: 30.86 min Scan# 4641
Delta R.T. 0.02 min
Lab File: BG028452.D
Acq: 23 Aug 2017 16:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	8.6	12.8#
277	24.1	17.6	26.4

